

AMENDMENTS TO THE DRAWINGS

The attached five sheets of drawings, which includes Figures 1-6g, replaces the originally filed sheets including Figures 1-6g.

Attachment: Five Replacement Sheets of Drawings (Figures 1-6g)

REMARKS

Claims 16-35 are pending in this application. Claims 16 and 28 are independent claims. Claims 1-15 are canceled. Reconsideration and allowance of the present application are respectfully requested.

Drawings

New drawings have been submitted in response to the Examiner's objection in order to comply with CFR 1.121(d). The drawings have been replaced with replacement drawings and the Applicants believe the replacement drawings address the issues raised by the Examiner. Applicants respectfully request that the Examiner withdraw the objection.

Specification

The disclosure is objected to because of informalities, for example, the lack of titles in the specification. The specification has been replaced with a substitute specification and the Applicants believe the substitute specification addresses the issues raised by the Examiner. Therefore, Applicants respectfully request that the Examiner withdraw the objection.

Claim Objections

Claim 12 is objected to because of informalities. However, original claims 1-15 have been canceled and replaced by new claims 16-35. Accordingly, this objection is moot in view of the new claims.

Rejections under 35 U.S.C. §102 – *Wajs et al.*

Claims 1-4 and 7-10 stand rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent Publication No. 2002/0126847 ("*Wajs et al.*"). However, original claims 1-15 have been canceled and replaced by new claims 16-35. Accordingly, these rejections are moot in view of the new claims.

Rejections Under 35 U.S.C. § 103 – *Wajs et al. in view of Campinos et al.*

Claims 5, 6, 11 and 12 stand rejected under 35 U.S.C. §103(a) as being unpatentable over *Wajs et al.* in view of U.S. Patent No. 6,035,038 ("*Campinos et al.*"). However, original claims

1-15 have been canceled and replaced by new claims 16-35. Accordingly, these rejections are moot in view of the new claims.

Rejections Under 35 U.S.C. § 103 – *Wajs et al. in view of Caronni et al.*

Claims 13-15 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Wajs et al as applied to claim 8, and in further view of U.S. Patent No. 6,049,878 (“Caronni et al.”). However, original claims 1-15 have been canceled and replaced by new claims 16-35. Accordingly, these rejections are moot in view of the new claims.

New Claims

Claims 1-15 have been canceled and replaced with claims 16-35. The Applicants respectfully submit that Wajs fails to teach each of the limitations in either of new claims 16 and 28 as is required to support a rejection under §102. Wajs does not teach “encryption and transmission of at least two cryptograms each comprising the temporary encryption key, the first cryptogram being encrypted under the unique authorisation key” and “the second cryptogram being encrypted by a group authorisation key” as is required by claims 16 and 28. Wajs teaches the decryption of a key P_T using only a group key ‘G’, not a group key and a unique key (Wajs: paragraph [0018]). Accordingly, Wajs fails to teach each of the elements in new claims 16 and 28 as is required to support a rejection under §102. Additionally, claims 17-27 depend from claim 16 and claims 29- 35 depend from claim 28. Accordingly, at least by virtue of their dependence from claims 16 and 28, Wajs fails to teach each of the elements in any of claims 17-27 or 29-35 as is required to support a rejection under §102.

Additionally, neither Campinos nor Caronni teach “encryption and transmission of at least two cryptograms each comprising the temporary encryption key, the first cryptogram being encrypted under the unique authorisation key” and “the second cryptogram being encrypted by a group authorisation key” as is required by new claims 16 and 28. With respect to Caronni, the Examiner contends that Caronni teaches an analogous key hierarchy. Caronni teaches that a key encryption key K45 is encrypted using a unique key X4 (Caronni: col. 9, ln. 13-16). However, Caronni does not teach encrypting K45 using any other keys. In fact, Caronni specifically teaches that K45 cannot be decrypted using any keys other than X4 (Caronni: col. 9, ln. 33-34).

Thus, even if we assume for the sake of argument that K45 is a temporary encryption key, Caronni does not teach encrypting a temporary encryption key in two cryptograms where in one cryptogram the temporary key is encrypted using a group key and in another cryptogram the temporary key is encrypted using a unique key as is required by claims 16 and 18. Accordingly, Wajs cannot be combined with either Campinos or Caronni to teach each of the limitations in either of claims 16 and 28. Consequently, the Examiner cannot establish a *prima facie* case of obviousness for either of claims 16 and 28 as is required to support a rejection under §103. Additionally, claims 17-27 depend from claim 16 and claims 29- 35 depend from claim 28. Accordingly, at least by virtue of their dependence from claims 16 and 28, the Examiner cannot establish a *prima facie* case of obviousness for any of claims 17-27 or 29-35 as is required to support a rejection under §103.

For at least the reasons discussed above, the Applicants believe new claims 16-35 to be allowable over the prior art.

CONCLUSION

In view of the above remarks and amendments, Applicants respectfully submit that each of the rejections has been addressed and overcome, placing the present application in condition for allowance. A notice to that effect is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to contact the undersigned.

Pursuant to 37 C.F.R. §1.17 and 1.136(a), Applicant(s) hereby petition(s) for a one (1) month extension of time for filing a reply to the outstanding Office Action and submit the required \$120.00 extension fee herewith.


Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Donald J. Daley at the telephone number of the undersigned below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKY, & PIERCE, P.L.C.

By



Donald J. Daley, Reg. No. 34,313

P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

JHA
DJD/JHA/mat